

Central Valley Flood Protection Board Meeting  
August 26, 2016

INFORMATIONAL BRIEFING

**DEFERRED MAINTENANCE PROJECT**  
**“REDUCING RISK OF HAZARDOUS PIPES IN SPFC LEVEES”**  
(Mark List, DWR)

**BRIEFING SUMMARY**

**Background**

The 2012 Central Valley Flood Protection Plan (CVFPP) proposed a State System-wide Investment Approach for sustainable, integrated flood management to be implemented over the next 15 years. As one of the near-term priority actions, DWR has developed and the Administration has funded the Deferred Maintenance Project (DMP) to evaluate and repair levee penetrations, help implement statewide rodent damage mitigation, and perform deferred maintenance for DWR maintenance yards. Work will address known threats to levee integrity, enhance emergency response capabilities, and ultimately reduce the potential for catastrophic flooding. DMP will assist local maintaining agencies (LMAs) in reducing flood risks by providing technical and financial support for inspection and corrective action (repair, replacement, rehabilitation, and abandonment) of drainage and discharge pipes which are features of the State Plan of Flood Control (SPFC).

The DMP is funded from Control Section 6.10 of the Budget Act of 2016. \$100 million is authorized under the General Fund with two years to commit/expend, and one year to liquidate funding. DMP pipe inspection and corrective action projects are fully funded through site eligibility and selection processes and a directed funding agreement with applicable local maintaining agencies. As a condition of funding, Local Maintaining Agencies will be required to sign a new Assurance Agreement for the implemented project.

DMP may be used to provide 100% State cost share to complete prioritized repair of SPFC drainage and discharge pipe facilities, including the following actions:

- Video inspection to assess pipe condition
- Replacement of damaged pipes
- Repair or rehabilitation (e.g. slip-lining) of pipes in otherwise adequate condition to extend the engineered life of the facility
- Proper abandonment or removal of pipes that no longer serve a useful flood protection system purpose
- Abandonment or removal of improperly abandoned pipes

DWR has compiled and field verified pipe locations of over 7,000 pipes and other utilities crossing SPFC levees. Approximately 2,600 pipes crossing below the design freeboard are level 1 hazard (high threat) pipes, which are primarily gravity drain pipes or improperly abandoned pipes. USACE Periodic and Continuing Eligibility Inspections

and DWR Inspections have identified levee pipe penetrations as a major threat to levee integrity. DMP will provide for interior inspection of drainage and discharge pipes, satisfying one of the USACE inspection criteria, address critical pipe repairs, and reduce flood risk by extending the useful life of SPFC facilities.

For each eligible project pipe, DWR works with the Local Maintaining Agency to establish a Project Agreement that will define the roles and responsibilities for each sponsor. Eligible costs of engineering, permitting, and construction will be provided by DWR to the LMA through directed funding agreements to achieve maximum flood risk reduction benefits and address long standing deferred maintenance issues.

For repairs to facilities maintained by an LMA, it is anticipated that the LMA will prepare the design and perform the repair with DWR oversight. DWR will perform repair/replacement/rehabilitation/abandonment for facilities in State-maintained areas and Maintenance Areas.

### **Current Status**

- FY 2016-17 Budget Act included Control Section 6.10 funding for DWR DMP
- Field reconnaissance and data collection currently in progress
- Directed funding agreement templates are being developed
- Identification of permitting path being evaluated
- Outreach at:
  - CVFPB Executive Committee Meeting (8/3/2016)
  - Central Valley Flood Protection Coordinating Committee (8/24/2016)
  - CVFPB Meeting (8/26/2016 – Today)

### **Next Steps**

- Clarify permitting, environmental, legal, and notification requirements
- Meet with Regional Flood Management Planning Regions to work with eligible and interested LMAs
- Complete contracting/agreements for pipe inspections
- Prioritize pipe repair/replacement/rehabilitation
- Develop directed funding agreements with applicable LMAs to complete engineering, permitting and construction efforts